1646

```
PATENT APPLICATION: US/09/150,947B
                                                       TIME: 10:26:19
                  Input Set : A:\SubstSequence09150947.txt
                  Output Set: N:\CRF3\08162000\I150947B.raw
                                                                             Does Not Comply
     5 <110> APPLICANT: APPLICANT: Kaempfer, Raymond
                                                                         Corrected Diskette Needed
            Arad, Gila
     8 <120> TITLE OF INVENTION: TITLE: BROAD SPECTRUM PYROGENIC EXOTOXINS
            ANTAGONISTS AND VACCINES
    11 <130> FILE REFERENCE: DOCKET/FILE REFERENCE: A31967-PCT-USA-A
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/150,947B
C--> 14 <141> CURRENT FILING DATE: 1998-09-10
    16 <150> PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: PCT/IL97/00438
W--> 17 <151> PRIOR FILING DATE: FILING DATE: 1997-12-30
    19 <150> PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: ISRAEL 119938
W--> 20 <151> PRIOR FILING DATE: FILING DATE: 1996-12-30
                                                                       see pp. 1,2,3
E--> 22 <160> NUMBER OF SEQ ID NOS: NUMBER OF SEQUENCES: 12
    24 <170> SOFTWARE: SOFTWARE: FastSEQ for Windows Version 3.0
ERRORED SEQUENCES
E--> 26 <210> SEQ ID NO: SEQ ID NO:1
    27 <211> LENGTH: LENGTH: 26
E--> 28 <212> TYPE: TYPE: PRT
    29 <213> ORGANISM: ORGANISM: Staphylococcus aureus
E--> 31 <400> SEQUENCE: SEQ ID NO:1
                                                                         All errors
    32 Ser Glu Gln Glu Asn Cys Glu Leu Ile Ser Thr Ile Asn Gly Thr Asn
    33 1
    34 Lys Lys Lys Val Thr Ala Gln Glu Leu Asp 35 20 25
                                                                   caused by applicant
E--> 37 <210> SEQ ID NO: SEQ ID NO:2
    38 <211> LENGTH: LENGTH: 12
E--> 39 <212> TYPE: TYPE: PRT
                                                                      typing in "Alpha
    40 <213> ORGANISM: ORGANISM: Staphylococcus aureus
E--> 42 <400> SEQUENCE: SEQ ID NO:2
    43 Tyr Asn Lys Lys Lys Ala Thr Val Gln Glu Leu Asp
                                                                  Headings". The
E--> 46 <210> SEQ ID NO: SEQ ID NO:3
    47 <211> LENGTH: LENGTH: 10
E--> 48 <212> TYPE: TYPE: PRT
                                                                   computer program
    49 <213> ORGANISM: ORGANISM:Staphylococcus aureus
E--> 51 <400> SEQUENCE: SEQ ID NO:3
                                                                  generates these
    52 Lys Lys Val Thr Ala Gln Glu Leu Asp
E--> 55 <210> SEQ ID NO: SEQ ID NO:4
                                                                 automatically. All that
    56 <211> LENGTH: LENGTH: 10
E--> 57 <212> TYPE: TYPE: PRT
    58 <213> ORGANISM: ORGANISM:Staphylococcus aureus
E--> 60 <400> SEQUENCE: SEQ ID NO:4
                                                                is needed is the
    61 Lys Lys Lys Ala Thr Val Gln Glu Leu Asp
                                                               numerical heading and
                                                              response. All errors
                                                            in the listing ore doe
                                                             to this
```

DATE: 08/17/2000

RAW SEQUENCE LISTING

* These errors have been edited.

RAW SEQUENCE LISTING DATE: 08/17/2000 PATENT APPLICATION: US/09/150,947B TIME: 10:26:19

```
E--> 64 <210> SEQ ID NO: SEQ. ID NO:5
     65 <211> LENGTH: LENGTH: 13
E--> 66 <212> TYPE: TYPE: PRT
     67 <213> ORGANISM: ORGANISM: Staphylococcus aureus
W--> 69 <220> FEATURE: FEATURE:
W--> 70 <221> NAME/KEY: NAME/KEY: LIPID
     71 <222> LOCATION: LOCATION: (1)...(1)
     72 <223> OTHER INFORMATION: OTHER INFORMATION: N-lauryl cysteine residue
E--> 74 <400> SEQUENCE: SEQ ID NO:5
     75 Cys Thr Asn Lys Lys Lys Val Thr Ala Gln Glu Leu Asp
                         5
E--> 78 <210> SEQ ID NO: SEQ ID NO:6
     79 <211> LENGTH: LENGTH: 13
E--> 80 <212> TYPE: TYPE: PRT
    81 <213> ORGANISM: ORGANISM: Staphylococcus aureus
W--> 83 <220> FEATURE: FEATURE:
W--> 84 <221> NAME/KEY: NAME/KEY: LIPID
     85 <222> LOCATION: LOCATION: (1)...(1)
     86 <223> OTHER INFORMATION: OTHER INFORMATION: N-lauryl cysteine residue
E--> 88 <400> SEQUENCE: SEQ ID NO:6
     89 Cys Tyr Asn Lys Lys Lys Ala Thr Val Gln Glu Leu Asp
     90
                                             10
E--> 92 <210> SEQ ID NO: SEQ ID NO:7
    93 <211> LENGTH: LENGTH: 16
E--> 94 <212> TYPE: TYPE: PRT
     95 <213> ORGANISM: ORGANISM: Staphylococcus aureus
E--> 97 <400> SEQUENCE: SEQ ID NO:7
     98 Tyr Asn Lys Lys Lys Ala Thr Val Gln Glu Leu Asp Tyr Asn Lys Lys
                         5
                                             10
E--> 101 <210> SEQ ID NO: SEQ ID NO:8
    102 <211> LENGTH: LENGTH: 35
E--> 103 <212> TYPE: TYPE: PRT
     104 <213> ORGANISM: ORGANISM:Staphylococcus aureus
E--> 106 <400> SEQUENCE: SEQ ID NO:8
     107 Tyr Asn Lys Lys Ala Thr Val Gln Glu Leu Asp Tyr Asn Lys Lys
                                             10
     109 Lys Ala Thr Val Gln Glu Leu Asp Tyr Asn Lys Lys Lys Ala Thr Val
     110
                     20
     111 Glu Leu Asp
                 35
     112
E--> 114 <210> SEQ ID NO: SEQ ID NO:9
     115 <211> LENGTH: LENGTH: 14
E--> 116 <212> TYPE: TYPE: PRT
     117 <213> ORGANISM: ORGANISM: Staphylococcus aureus
W--> 119 <220> FEATURE: FEATURE:
W--> 120 <221> NAME/KEY: NAME/KEY: DISULFID
    121 <222> LOCATION: LOCATION: (1)...(1)
W--> 123 <221> NAME/KEY: NAME/KEY: DISULFID
     124 <222> LOCATION: LOCATION: (14)...(14)
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RAW SEQUENCE LISTING DATE: 08/17/2000 PATENT APPLICATION: US/09/150,947B TIME: 10:26:19

```
E--> 126 <400> SEQUENCE: SEQ ID NO:9
     127 Cys Tyr Asn Lys Lys Lys Ala Thr Val Gln Glu Leu Asp Cys 128 \phantom{-}1\phantom{+} 5
E--> 130 <210> SEQ ID NO: SEQ ID NO:10
     131 <211> LENGTH: LENGTH: 14
E--> 132 <212> TYPE: TYPE: PRT
     133 <213> ORGANISM: ORGANISM: Staphylococcus aureus
W--> 135 <220> FEATURE: FEATURE:
W--> 136 <221> NAME/KEY: NAME/KEY: MOD_RES
     137 <222> LOCATION: LOCATION: (1)...(1)
     138 <223> OTHER INFORMATION: OTHER INFORMATION: D-alanine
W--> 140 <221> NAME/KEY: NAME/KEY: MOD_RES
     141 <222> LOCATION: LOCATION: (14)...(14)
     142 <223> OTHER INFORMATION: OTHER INFORMATION: D-alanine
E--> 144 <400> SEQUENCE: SEQ ID NO:10
     145 Xaa Tyr Asn Lys Lys Lys Ala Thr Val Gln Glu Leu Asp Xaa
     149 <211> LENGTH: LENGTH: 13
E--> 150 <212> TYPE: TYPE: PRT
     151 <213> ORGANISM: ORGANISM: Staphylococcus aureus
W--> 153 <220> FEATURE: FEATURE:
W--> 154 <221> NAME/KEY: NAME/KEY: ACETYLATION
     155 <222> LOCATION: LOCATION: (1)...(1)
     156 <223> OTHER INFORMATION: OTHER INFORMATION: N-acetyl group
W--> 158 <221> NAME/KEY: NAME/KEY: MOD_RES
159 <222> LOCATION: LOCATION: (13)...(13)
     160 <223> OTHER INFORMATION: OTHER INFORMATION: D-alanine
E--> 162 <400> SEQUENCE: SEQ ID NO:11
     163 Tyr Asn Lys Lys Lys Ala Thr Val Gln Glu Leu Asp Xaa 164 1 5 10
     167 <211> LENGTH: LENGTH: 239
E--> 168 <212> TYPE: TYPE: PRT
     169 <213> ORGANISM: ORGANISM: Staphylococcus aureus
E--> 171 <400> SEQUENCE: SEQ ID NO:12
     172 Glu Ser Gln Pro Asp Pro Lys Pro Asp Glu Leu His Lys Ser Ser Lys
173 1 5 10 15
     173
     174 Phe Thr Gly Leu Met Glu Asn Met Lys Val Leu Tyr Asp Asn His
175 20 25 30
         Val Ser Ala Ile Asn Val Lys Ser Ile Asp Gln Phe Leu Tyr Phe Asp
35 40 45
     177
          Leu Ile Tyr Ser Ile Lys Asp Thr Lys Leu Gly Asn Tyr Asp Asn Val 50 60
     178
     179
          Arg Val Glu Phe Lys Asn Lys Asp Leu Ala Asp Lys Tyr Lys Asp Lys 65 70 75 80
     180
     181
          Tyr Val Asp Val Phe Gly Ala Asn Tyr Tyr Tyr Gln Cys Tyr Phe Ser 85 90 95
     182
     183
          Lys Lys Thr Asn Asp Ile Asn Ser His Glu Thr Asp Lys Arg Lys Thr 100 105 110
     184
                      100
                                            105
         Cys Met Tyr Gly Gly Val Thr Glu His Asn Gly Asn Gln Leu Asp Lys
```

DATE: 08/17/2000 TIME: 10:26:20

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/150,947B

187			115					120					125			
188	Tyr	Arg	Ser	Ile	Thr	Val	Arg	Val	Phe	Glu	Asp	Gly	Lys	Asn	Leu	Leu
189		130					135					140				
190	Ser	Phe	Asp	Val	Gln	Thr	Asn	Lys	Lys	Lys	Val	Thr	Ala	Gln	Glu	Leu
191	145					150					155					160
192	Asp	Tyr	Leu	Thr	Arg	His	Tyr	Leu	Val	Lys	Asn	Lys	Lys	Leu	Tyr	Glu
193					165					170					175	
194	Phe	Asn	Asn	Ser	Pro	Tyr	Glu	Thr	Gly	Tyr	Ile	Lys	Phe	Ile	Glu	Asn
195				180					185					190		
196	Glu	Asn	Ser	Phe	Trp	Tyr	Asp	Met	Met	Pro	Ala	Pro	Gly	Asp	Lys	Phe
197			195					200					205			
198	Asp	Gln	Ser	Lys	Tyr	Leu	Met	Met	Tyr	Asn	Asp	Asn	Lys	Met	Val	Asp
199		210					215					220				
200	Ser	Lys	Asp	Val	Lys	Ile	Glu	Val	Tyr	Leu	Thr	Thr	Lys	Lys	Lys	
201	225					230					235					

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/150,947B

DATE: 08/17/2000
TIME: 10:26:21

```
L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:20 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:22 M:212 E: (34) Invalid or duplicate Sequence ID Number, Number Of Sequences Unknown L:26 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:28 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:31 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:37\ M:212\ E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:39 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:42 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:46 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:48 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:51 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:55 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:57 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:60 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:64 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:66 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:69 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:70 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:74 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:78 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:80 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:83 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:84 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:88 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:92 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:94 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:97 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:101 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO L:103 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:106\ M:212\ E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:114 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:116 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:119 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:120 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:123 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:126 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:130 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:132 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:135 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:136 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:140 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:144 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:148 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:150 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:153 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/150,947B

DATE: 08/17/2000 TIME: 10:26:21

Input Set : A:\SubstSequence09150947.txt Output Set: N:\CRF3\08162000\I150947B.raw

L:154 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:158 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:162 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:166 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:168 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:171 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:22 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (0) Counted (12)